**Test Code**

int ledpin=13;// initialize pin 13

int inpin=7;// initialize pin 7

int val;// define val

void setup()

{

Serial.begin(9600);

pinMode(ledpin,OUTPUT);// set LED pin as “output”

pinMode(inpin,INPUT);// set button pin as “input”

}

void loop()

{

val=digitalRead(inpin);// read the level value of pin 7 and assign if to val

Serial.println(val); // print the data from the sensor

delay(100);

if(val==LOW)// check if the button is pressed, if yes, turn on the LED

{ digitalWrite(ledpin,LOW);}

else

{ digitalWrite(ledpin,HIGH);}

}

**Test Results**

Use the Arduino IDE software to upload the test code on the Arduino board, and connect the line according to the wiring method. After using the USB line, dial the DIP switch to 5V, open the serial port monitor, and set the baud rate to 9600. When the sensor senses the liquid, the D13 indicator on the Arduino board lights up, and the serial monitor displays 1 as shown below. Otherwise, the D13 indicator on the Arduino board goes out and 0 is displayed on the serial monitor.